ABSTRACT OF THE DISCLOSURE

A reliable multicast data retransmission method by grouping wireless terminals in a wireless communication environment and performing multicast data retransmission for a particular group of wireless terminals that needs multicast data retransmission, thereby

5   providing reliable multicast data retransmission and improving the efficiency of a network. The multicast data retransmission method includes grouping wireless terminals based on distances between an access point and the wireless terminals and the amplitudes of signals output from the wireless terminals, selecting a repeater, which is to retransmit multicast packets, from each group and arranging the order in which repeaters retransmit

10   multicast packets, creating a multicast packet train header indicating characteristics of each of the multicast packets, multicasting the created multicast packet train header. The multicast packets are retransmitted in the arranged order.